

Serial No. 10/797117

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AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph that begins on page 8, line 4, as follows:

Furthermore, a moisture sensitive film 23 is formed in a region of the detection portion 20 on the second insulation film 13, that is, a region which covers the detection electrodes 21, 22. A capacitance adjusting ~~film is~~ film 33 is formed in a region of the reference portion 30 on the second insulation film 13, that is, a region which covers the reference electrodes 31, 32.

Please amend the paragraph that begins on page 8, line 26, as follows:

The capacitance adjusting film is provided in order to reduce a difference between the capacitance of the reference electrodes 31, 32 and the capacitance of the detection electrodes 21, 22 in a reference humidity condition (e.g., 0%RH or 100%RH), that is, an initial capacitance difference. For example, a moisture permeation film 33, which causes ~~moisture (moisture vapor in gas) to~~ moisture vapor in gas to permeate and has a constant permittivity, can be used. Specifically, silicone or fluorine gel, Gore-Tex (registered trademark) and the like, which cause only moisture vapor to permeate and block liquid, can be used. In the above materials, silicone gel is preferable because it has superior moisture vapor permeability. In the first embodiment, silicone gel whose permittivity is substantially equal to that of the moisture sensitive film 23 at 0%RH is used. The moisture permeation film 33 is hardly affected by humidity. Therefore, a capacitance C_r of the reference electrodes 31, 32 is almost constant without being affected by humidity. Further, the above reference humidity condition is humidity which is set to a reference when offset voltage is adjusted in the capacitive humidity sensor 10. The reference humidity condition can be freely set within a range from 0%RH to 100%RH. Generally, the reference humidity condition is set to 0%RH or 100%RH.